

FORM PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY DOCKET NUMBER NIHA-0278
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (if known see 37 CFR 1.5) 10/578,385
INTERNATIONAL APPLICATION NO. PCT/US2004/035831	INTERNATIONAL FILING DATE 27 October 2004 (27.10.2004)	PRIORITY DATE CLAIMED 05 November 2003 (05.11.2003)
TITLE OF INVENTION CARBOHYDRATE ANTIGEN-NANOPARTICLE CONJUGATES AND USES THEREOF AS ANTIMETASTATIC AGENTS IN TREATING CANCER		
APPLICANT(S) FOR DO/EO/US Joseph J. BARCHI, Jr., Kate RITTENHOUSE-OLSON and Sergei SVAROVSKY		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input type="checkbox"/> 2. <input checked="" type="checkbox"/> 3. <input checked="" type="checkbox"/> 4. <input type="checkbox"/> 5. <input type="checkbox"/> 6. <input type="checkbox"/> 7. <input type="checkbox"/> 8. <input type="checkbox"/> 9. <input checked="" type="checkbox"/> 10. <input type="checkbox"/>	This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9), and (21) indicated below. The US has been elected (Article 31). A copy of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. An English translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). An oath or declaration of the inventor(s) 35 U.S.C. 371(c)(4). (executed) An English translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).	
Items 11. to 20. below concern other document(s) or information included:		
11. <input type="checkbox"/> 12. <input type="checkbox"/> 13. <input type="checkbox"/> 14. <input type="checkbox"/> 15. <input type="checkbox"/> 16. <input checked="" type="checkbox"/> 17. <input type="checkbox"/> 18. <input type="checkbox"/> 19. <input type="checkbox"/> 20. <input checked="" type="checkbox"/>	An Information Disclosure Statement under 37 CFR 1.97 and 1.98. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. A preliminary amendment. An Application Data Sheet under 37 CFR 1.76. A substitute specification. A power of attorney and/or change of address letter. (Combined with Declaration) A computer-readable form and a written form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.182-1.825. A second copy of the published international application under 35 U.S.C. 154(d)(4). A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). Other items or information: - Copy of Notification of Missing Requirements... mailed March 14, 2007 -- Response to Notification of Missing Requirements -- Check in Amount of \$230.00 - a return postcard.	
EV864904062US		EXPRESS MAIL Mailing Label No. EV 864 904 062 US Date of Deposit: May 11, 2007

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid IMB control number.

U.S. APPLICATION NO. (if known 37 C.F.R. 1.5) 10/578,385		INTERNATIONAL APPLICATION NO. PCT/US2004/035831		ATTORNEY DOCKET NUMBER NIHA-0278	
The following fees are submitted:					
21. <input type="checkbox"/> Basic national fee (37 CFR 1.492(a))		\$300		\$	
22. <input type="checkbox"/> Examination fee (37 CFR 1.492(c))				\$	
If written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)				\$	
		\$0.00			
All other situations		\$200			
23. <input type="checkbox"/> Search fee (37 CFR 1.492(b))					
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)		\$0			
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority		\$100		\$	
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB		\$400			
All other situations		\$500			
TOTAL of 21, 22 and 23 =				\$	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing filed in electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
109- 100 =	9/50=	1	X \$250	\$	
Surcharge of \$130.00 for furnishing any of the search fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$130.00	
Claims	Number Filed	Number Extra	Rate		
Total claims	75-20	55 (previously paid for 53)	X \$50	\$100.00	
Independent Claims	3 =	0	X \$200	\$0	
Multiple dependent claims(s) (if applicable)			+ \$360	\$0	
TOTAL OF ABOVE CALCULATIONS =				\$230.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
SUBTOTAL =				\$230.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
				+	
TOTAL NATIONAL FEE =				\$230.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+	
TOTAL FEES ENCLOSED =				\$230.00	
				Amount to be: refunded	\$
				Amount to be charged	\$

05/15/2007 MKAYPAGH 00000106 10578385

01 FC:1617 130.00 OP
02 FC:1615 100.00 OP

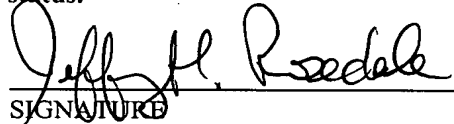
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid IMB control number.

- a. ☒ A check in the amount of \$\$230.00 to cover the above fee is enclosed.
- b. ☐ Please charge my Deposit Account No. 23-3050 in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-3050. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

John W. Caldwell
Woodcock Washburn LLP
Cira Centre
2929 Arch Street, 12th Floor
Philadelphia, PA 19104-2891
(215) 568-3100


SIGNATURE

Jeffrey H. Rosedale
NAME

46,018
REGISTRATION NUMBER



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/578,385	Joseph J. Barchi	NIHA-0278

45160
 WOODCOCK WASHBURN LLP
 CIRA CENTRE, 12TH FLOOR
 2929 ARCH STREET
 PHILADELPHIA, PA 19104-2891

RECEIVED

MAR 19 2007

Woodcock Washburn

INTERNATIONAL APPLICATION NO.	
PCT/US04/35831	
I.A. FILING DATE	PRIORITY DATE
10/27/2004	11/05/2003

CONFIRMATION NO. 1844

371 FORMALITIES LETTER



OC000000022840683

Date Mailed: 03/14/2007

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 05/04/2006
- Copy of the International Search Report filed on 05/04/2006
- Copy of IPE Report filed on 05/04/2006
- Preliminary Amendments filed on 05/04/2006
- Oath or Declaration filed on 05/04/2006
- Request for Immediate Examination filed on 05/04/2006
- U.S. Basic National Fees filed on 05/04/2006
- Priority Documents filed on 05/04/2006
- Specification filed on 05/04/2006
- Claims filed on 05/04/2006
- Abstracts filed on 05/04/2006
- Drawings filed on 05/04/2006

RECEIVED

MAR 19 2007

DOCKET DEPT.
WWWKMN

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Additional claim fees of \$300 as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.
- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:

■ is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.

- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is **\$430** for a Large Entity:

- **\$130** Surcharge.
- Total additional claim fee(s) for this application is **\$ 300**
 - **\$200** for **1** independent claims over 3.
 - **\$100** for **55** total claims over 20.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

TAMALA D HOLLAND

Telephone: (703) 308-9140 EXT 209

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/578,385	PCT/US04/35831	NIHA-0278

DOCKET NO.: NIHA-0278

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: **Joseph J. Barchi, Jr. et al**

U.S. Serial No.: **10/578,385**

Group Art Unit: **not yet assigned**

U.S. Filing Date: **not yet known**

Examiner: **not yet assigned**

International Application No.: **PCT/US2004/035831**

International Filing Date: **October 27, 2004**

For: **CARBOHYDRATE ANTIGEN-NANIOPARTICLE CONJUGATES AND USES THEREOF AS ANTIMETASTIC AGENTS IN TREATING CANCER**

EXPRESS MAIL LABEL NO: EV 864 904 062 US
DATE OF DEPOSIT: May 11, 2007

Commissioner for Patents PCT/RO/DO/US
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS

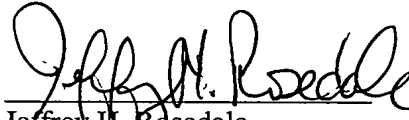
In response to the "Notification of Missing Requirements", dated March 14, 2007, applicant submits herewith the executed Declaration/Power of Attorney, and appropriate surcharge of \$130.00.

The notification also states that there is a total additional claim fee of \$300.00 due. However, the actual additional claims fee due is \$100.00. When the application was originally filed on May 4, 2006, applicant paid for 73 total claims (3 of which were independent). There are 55 total claims over 20, making the additional claim (total number) fee \$100. The notification also states that \$200 is due for 1 independent claim over 3. Only claims 1, 43, and 77 are independent. Therefore, there is no additional fee due for excess independent claims.

Applicant owes a total additional fee of \$230.00 to cover the surcharge of \$130 for late filing of the declaration and the excess claims fee of \$100 and submits herewith a check in the amount of \$230.00.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-3050.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Jeffrey H. Rosedale". The signature is fluid and cursive, with the first name "Jeffrey" and last name "Rosedale" clearly distinguishable.

Jeffrey H. Rosedale
Registration No. 46,018

Date: May 11, 2007

WOODCOCK WASHBURN LLP
Cira Centre
2929 Arch Street, 12th Floor
Philadelphia PA 19104-2891
Telephone: (215) 568-3100